

SOS Telephone GSM KNEM-21B

The weatherproof telephone will be designed for use in railways, subways, tunnels, etc. . Installed in a rugged aluminum mold housing with a spring-loaded door, it will provide outdoor environmental protection against damage and corrosion. The device will meet EMC and all the latest European/UK standards for FCC, telephony, waterproof IP55 and lightning protection in the US, and provide the level of performance and reliability required in such an environment.

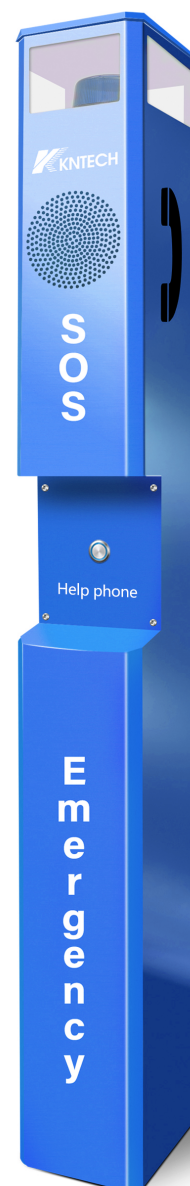
Main Product features

1. GSM/ VOIP/PSTN optional.
2. Metall body, solid and temperature bearable.
3. Handset free, loudspeaker.
4. Heavy duty Vandal resistant buttons
5. With or without keypad optional.
6. Lightning protection standard to ITU-T K21
7. Waterproof grade about IP55.
8. Body with grounding connection protection
9. Support hotline call, self stop if the other side hang up.
10. Built-in loud speaker noise canceling microphone
11. Lighting will flash when there is a incoming call.
12. AC 110v/220v powered or built-in rechargeablebattery with solar powered panel optional.
13. The design is super thin and smart. Embed styleand hanging style can be chosen.
14. Time out function optional.
15. Colours: RED + Stainless steel , If the qty over100pcs can be To customer specification.

- Standard and SMART Analogue and VoIP-SIP options available
- DTMF(Dual Tone Multi Frequency)
- Matching with most PABX,PBX and PAX systems

Main PCB

1. Well treated PCB used inside the phone.
2. Robust screw terminals used for the connection of ringer, handset, line in, hookswitch.
3. Selectable 7 minute time out, to release the line if thehandset is left off hook
4. All connectors be greased in production.



VOIC OVER IP - SIP (Version)

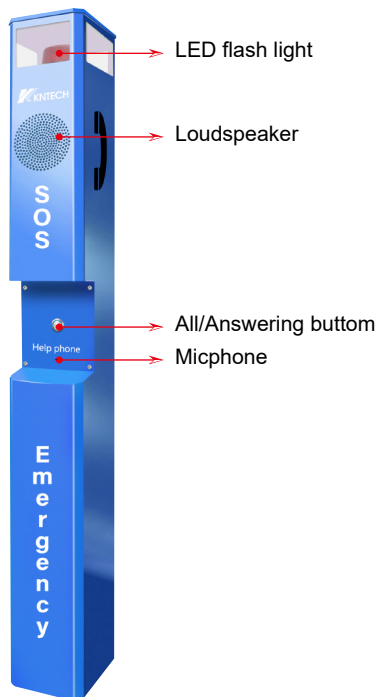
Connection type: RJ45 Socket inside sealed enclosure

Power supply: External 24V dc

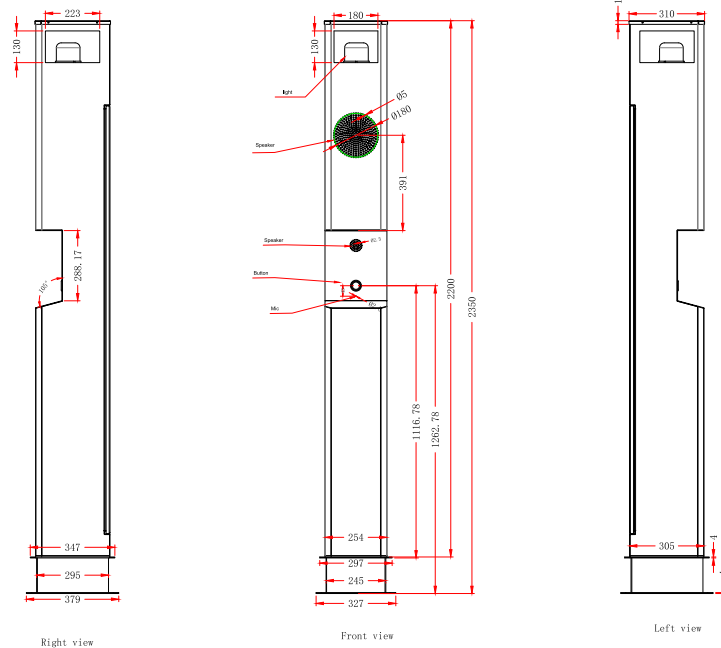
Call set-up Protocol: Session Initiation

Protocol(SIP)Configuration: DHCP or STATIC IP address provisioning

Telephone layout



Mounting bracket



GSM version

GSM 2G/3G Solar Powered with built-inrechargeable battery

1. Network Interface: GSM Frequency: 850/900/1800/1900MHZ,2G,3G,WCDMA
2. Ringing: Through internal Speaker/ringer
3. Power Supply: Re-chargeable Battery powered:9V/14Ah,
4. Solar back-up:12V/30W
5. Time out: selectable 0-20 minutes
6. Built-in battery standby: 21 days, can improve to42 days.
7. Built-in battery talking time: 56hours, can improveto 100 hours

Technical Specification

Network Interface	GSM Frequency850/900/1800/1900MHZ
Ringing	Through internal Speaker/ringer
Power Supply	Re-chargeable Battery powered:9V/14Ah, Solar back-up: 12V/30W
Time out	selectable 0-20 minutes
Temperature	-20C~ +60Cemp
Relative Humidity	up to 90%
Built-in battery Standby	2days
Built-in battery talking time	21 hours

Certification



EMC:EN50121(Railway application Electromagnetic Compatibility)

EN55022:emissions

En55024:immunity

FCC

ITU-T Recommendations K21

Connection cable

Stainless steel connection cable to exchange
Well treated keep waterproof.

Packing detail

Unit size: 2770*250200mm, N.W:160KG

1pcs in each inner CTN box, size:

350*530*4600mm G,W:170KG

20GP: 32PCS 40GP:65PCS 40HQ:

80PCS



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